



PATENT
Docket No.: 19226/2201 (R-5771)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Szyperski et al.)	Examiner:
)	Unknown
Serial No. :	10/628,818)	
)	Art Unit:
Filed :	July 28, 2003)	3737
)	
For :	PHASE-SENSITIVELY DETECTED)	
	REDUCED DIMENSIONALITY NUCLEAR)	
	MAGNETIC RESONANCE SPECTROSCOPY)	
	FOR RAPID CHEMICAL SHIFT)	
	ASSIGNMENT AND SECONDARY)	
	STRUCTURE DETERMINATION OF)	
	PROTEINS)	
)	

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97-1.98

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Respectfully submitted,

Date: December 8, 2003


Alice Y. Choi
Registration No. 45,758

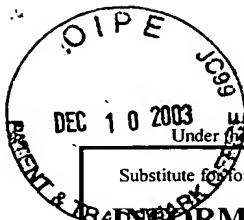
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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Sheet	1	of	2	Application Number	10/628,818
				Filing Date	07/28/2003
				First Named Inventor	Szyperski
				Art Unit	3737
				Examiner Name	Unknown
				Attorney Docket Number	19226/2201 (R-5771)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS					
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	1	Szyperski et al., "Reduced Dimensionality in Triple-Resonance NMR Experiments," <u>J. Am. Chem. Soc.</u> , 115:9307-9308 (1993)			
	2	Szyperski et al., "3D ¹³ C- ¹⁵ N-Heteronuclear Two-Spin Coherence Spectroscopy for Polypeptide Backbone Assignments in ¹³ C- ¹⁵ N-Double-Labeled Proteins," <u>J. Biomol. NMR</u> , 3:127-132 (1993)			
	3	Szyperski et al., "3D H ^{ωB} C ^{ωB} (CO)NHN, a Projected 4D NMR Experiment for Sequential Correlation of Polypeptide ¹ H ^{ωB} , ¹³ C ^{ωB} and Backbone ¹⁵ N and ¹ H ^N Chemical Shifts," <u>J. Magn. Reson.</u> , B105:188-191 (1994)			

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

Application Number	10/628,818
Filing Date	07/28/2003
First Named Inventor	Szyperski
Group Art Unit	3737
Examiner Name	Unknown

Attorney Docket Number

19226/2201 (R-5771)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
4	Szyperski et al., "A Novel Reduced-Dimensionality Triple-Resonance Experiment for Efficient Polypeptide Backbone Assignment, 3D CO HN N CA," <i>J. Magn. Reson.</i> , B108:197-203 (1995)		
5	Szyperski et al., "Useful Information from Axial Peak Magnetization in Projected NMR Experiments," <i>J. Am. Chem. Soc.</i> , 118:8146-8147 (1996)		
6	Szyperski et al., "Two-Dimensional <i>c,t</i> -HC(C)H-COSY for Resonance Assignments of Smaller ¹³ C-Labeled Biomolecules," <i>J. Magn. Reson.</i> , 128:228-232 (1997)		
7	Szyperski et al., "Sequential Resonance Assignment of Medium-Sized ¹⁵ N/ ¹³ C-Labeled Proteins with Projected 4D Triple Resonance NMR Experiments," <i>J. Biomol. NMR</i> , 11:387-405 (1998)		
8	Liu et al., "NMR Experiments for Resonance Assignments of ¹³ C, ¹⁵ N Doubly-Labeled Flexible Polypeptides: Application to Human Prion Protein hPrP(23-230)," <i>J. Biomol. NMR</i> , 16:127-138 (2000)		
9	Yamazaki et al., "Assignments of Backbone ¹ H, ¹³ C, and ¹⁵ N Resonances and Secondary Structure of Ribonuclease H from <i>Escherichia coli</i> by Heteronuclear Three-Dimensional NMR Spectroscopy," <i>Biochemistry</i> , 30:6036-6047 (1991)		
10	Brutscher et al., "Determination of an Initial Set of NOE-Derived Distance Constraints for the Structure Determination of ¹⁵ N/ ¹³ C-Labeled Proteins," <i>J. Magn. Reson.</i> , B109:238-242 (1995)		
11	Szyperski et al., "Reduced-Dimensionality NMR Spectroscopy For High-Throughput Protein Resonance Assignment," <i>PNAS</i> , 99:8009-8014 (2002)		

Examiner Signature	Date Considered
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